

WHAT IS CLAIMED IS:

1. A diathermic cutter comprising:

a cylindrical main body member having a central axis;

5 an elongated member which has a tip end portion projected from a tip end of the main body member and which is movably inserted in the main body member;

an electrode disposed on the tip end portion of the elongated member and extended in a direction  
10 deviating from the central axis of the elongated member; and

an electrically insulating member with which the electrode is coated in such a manner that at least a part of a base-end surface of the electrode disposed  
15 opposite to the tip end of the main body member is exposed.

2. A diathermic cutter according to claim 1, wherein the elongated member has electrically insulating properties with respect to the electrode.

20 3. A diathermic cutter according to claim 2, wherein at least a part of the electrically insulating member and the electrode has a circular arc shape in a position distant from the central axis of a section crossing at right angles to the central axis, and

25 a radius of a circular arc of the electrically insulating member from the central axis is over with respect to that of the circular arc of the electrode.

4. A diathermic cutter according to claim 2,  
wherein the electrode includes a portion exposed to a  
side surface of the electrically insulating member.

5 5. A diathermic cutter according to claim 2,  
wherein the electrode includes a portion exposed to the  
outside from a side surface of the electrically  
insulating member.

6. A diathermic cutter according to claim 1,  
wherein the elongated member has electrically  
10 conductive properties, and

the electrode is electrically connected to the  
elongated member to constitute one electrode member.

7. A diathermic cutter according to claim 6,  
wherein at least a part of the electrically insulating  
15 member and the electrode has a circular arc shape in  
a position distant from the central axis of a section  
crossing at right angles to the central axis, and

a radius of a circular arc of the  
electrically insulating member from the central axis is  
20 over with respect to that of the circular arc of the  
electrode.

8. A diathermic cutter according to claim 6,  
wherein the electrode includes a portion exposed to  
a side surface of the electrically insulating member.

25 9. A diathermic cutter according to claim 6,  
wherein the electrode includes a portion exposed to  
the outside from a side surface of the electrically

insulating member.

10. A diathermic cutter according to claim 1,  
wherein the elongated member includes a first  
cylindrical member having a tip end being disposed in  
a position distant from the electrode and which has  
5 electrically conductive properties, and a second  
cylindrical member which is disposed outside the first  
cylindrical member and having a tip end being disposed  
on the base end of the electrode and which has  
10 electrically insulating properties.

11. A diathermic cutter according to claim 10,  
wherein at least a part of the electrically insulating  
member and the electrode has a circular arc shape in  
a position distant from the central axis of a section  
15 crossing at right angles to the central axis, and

a radius of a circular arc of the electrically  
insulating member from the central axis is over with  
respect to that of the circular arc of the electrode.

12. A diathermic cutter according to claim 10,  
20 wherein the electrode includes a portion exposed to a  
side surface of the electrically insulating member.

13. A diathermic cutter according to claim 10,  
wherein the electrode includes a portion exposed to the  
outside from a side surface of the electrically  
25 insulating member.

14. A diathermic cutter according to claim 1,  
wherein at least a part of the electrically insulating

member and the electrode has a circular arc shape in a position distant from the central axis of a section crossing at right angles to the central axis, and

5 a radius of a circular arc of the electrically insulating member from the central axis is over with respect to that of the circular arc of the electrode.

15 15. A diathermic cutter according to claim 1, wherein the electrode includes a portion exposed to a side surface of the electrically insulating member.

10 16. A diathermic cutter according to claim 1, wherein the electrode includes a portion exposed to the outside from a side surface of the electrically insulating member.

15 17. A diathermic cutter comprising:  
a cylindrical sheath;  
an electrically insulating member disconnectably connected to a tip end of the sheath;  
an electrode including a base end portion and coated with the electrically insulating member in such  
20 a manner that at least a part of the base end portion is exposed to the tip end of the sheath; and  
an elongated member whose one end is connected to the base end portion of the electrode so as to move the electrically insulating member outside the sheath.

25 18. A diathermic cutter according to claim 17, wherein the elongated member has electrically insulating properties with respect to the electrode.

19. A diathermic cutter according to claim 18,  
wherein the sheath has a central axis on which the  
elongated member is concentrically disposed,

5       at least a part of the electrically insulating  
member and the electrode has a circular arc shape in  
a position distant from the central axis of a section  
crossing at right angles to the central axis, and

10       a radius of a circular arc of the electrically  
insulating member from the central axis is over with  
respect to that of the circular arc of the electrode.

20. A diathermic cutter according to claim 18,  
wherein the electrode includes a portion exposed to  
a side surface of the electrically insulating member.

15       21. A diathermic cutter according to claim 18,  
wherein the electrode includes a portion exposed to the  
outside from a side surface of the electrically  
insulating member.

20       22. A diathermic cutter according to claim 17,  
wherein the elongated member has electrically  
conductive properties, and

the electrode is electrically connected to  
the elongated member to constitute one electrode  
member.

25       23. A diathermic cutter according to claim 22,  
wherein the sheath has a central axis on which the  
elongated member is concentrically disposed,

at least a part of the electrically insulating

member and the electrode has a circular arc shape in a position distant from the central axis of a section crossing at right angles to the central axis, and

5 a radius of a circular arc of the electrically insulating member from the central axis is over with respect to that of the circular arc of the electrode.

24. A diathermic cutter according to claim 22, wherein the electrode includes a portion exposed to a side surface of the electrically insulating member.

10 25. A diathermic cutter according to claim 22, wherein the electrode includes a portion exposed to the outside from a side surface of the electrically insulating member.

15 26. A diathermic cutter according to claim 17, wherein the elongated member includes a first cylindrical member having a tip end portion being disposed in a position distant from the electrode and which has electrically conductive properties, and a second cylindrical member which is disposed outside the first cylindrical member and having a tip end being  
20 disposed on the base end portion of the electrode and which has electrically insulating properties.

25 27. A diathermic cutter according to claim 26, wherein the sheath has a central axis on which the elongated member is concentrically disposed,

at least a part of the electrically insulating member and the electrode has a circular arc shape in

a position distant from the central axis of a section crossing at right angles to the central axis, and

5 a radius of a circular arc of the electrically insulating member from the central axis is over with respect to that of the circular arc of the electrode.

28. A diathermic cutter according to claim 26, wherein the electrode includes a portion exposed to a side surface of the electrically insulating member.

10 29. A diathermic cutter according to claim 26, wherein the electrode includes a portion exposed to the outside from a side surface of the electrically insulating member.

15 30. A diathermic cutter according to claim 17, wherein the sheath has a central axis on which the elongated member is concentrically disposed,

at least a part of the electrically insulating member and the electrode has a circular arc shape in a position distant from the central axis of a section crossing at right angles to the central axis, and

20 a radius of a circular arc of the electrically insulating member from the central axis is over with respect to that of the circular arc of the electrode.

25 31. A diathermic cutter according to claim 17, wherein the electrode includes a portion exposed to a side surface of the electrically insulating member.

32. A diathermic cutter according to claim 17, wherein the electrode includes a portion exposed to

the outside from a side surface of the electrically insulating member.